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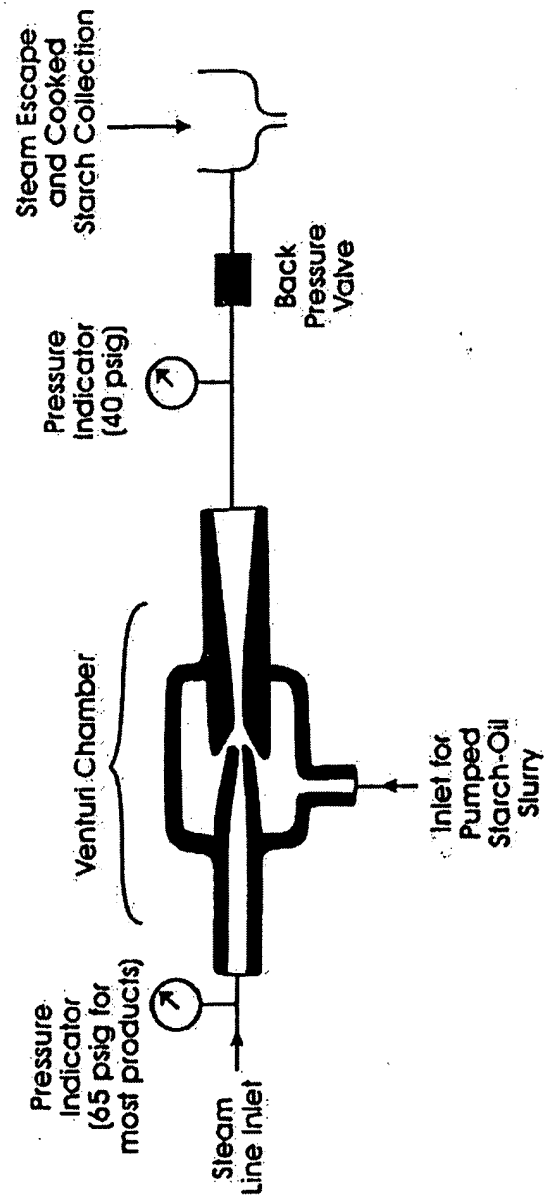
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High temperature and intense turbulence within the Venturi Chamber causes:

- a) Complete solution of starch in water.
- b) Intimate mixing of starch and oil components.
- c) Shear-induced lowering of starch molecular weight.

FIG-1

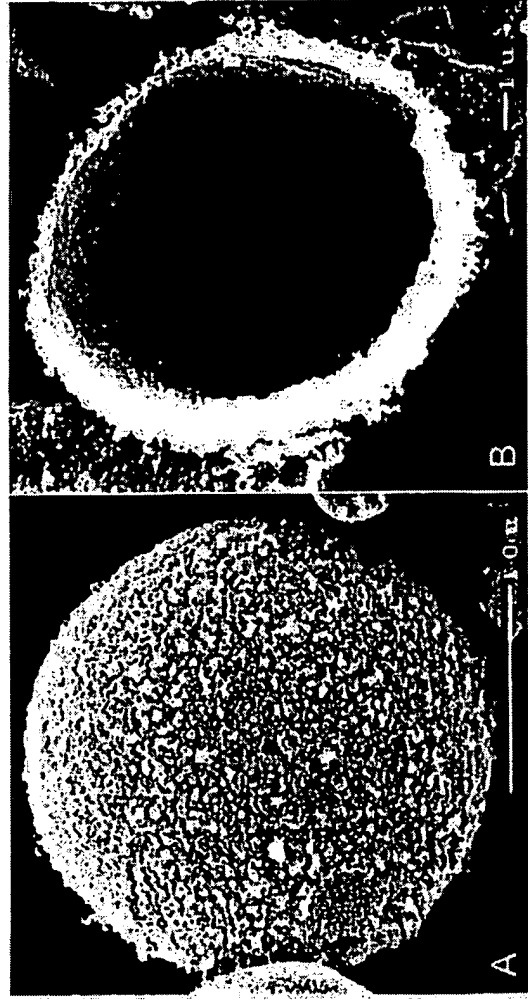


Figure 2. Scanning electron micrograph of starch spheres isolated from diluted Fantesk made with cornstarch and soybean oil. Starch was fixed with ethanol which dissolved away the included oil. A, intact sphere; B, broken sphere showing contrast between rough exterior and smooth interior.

FIG-2

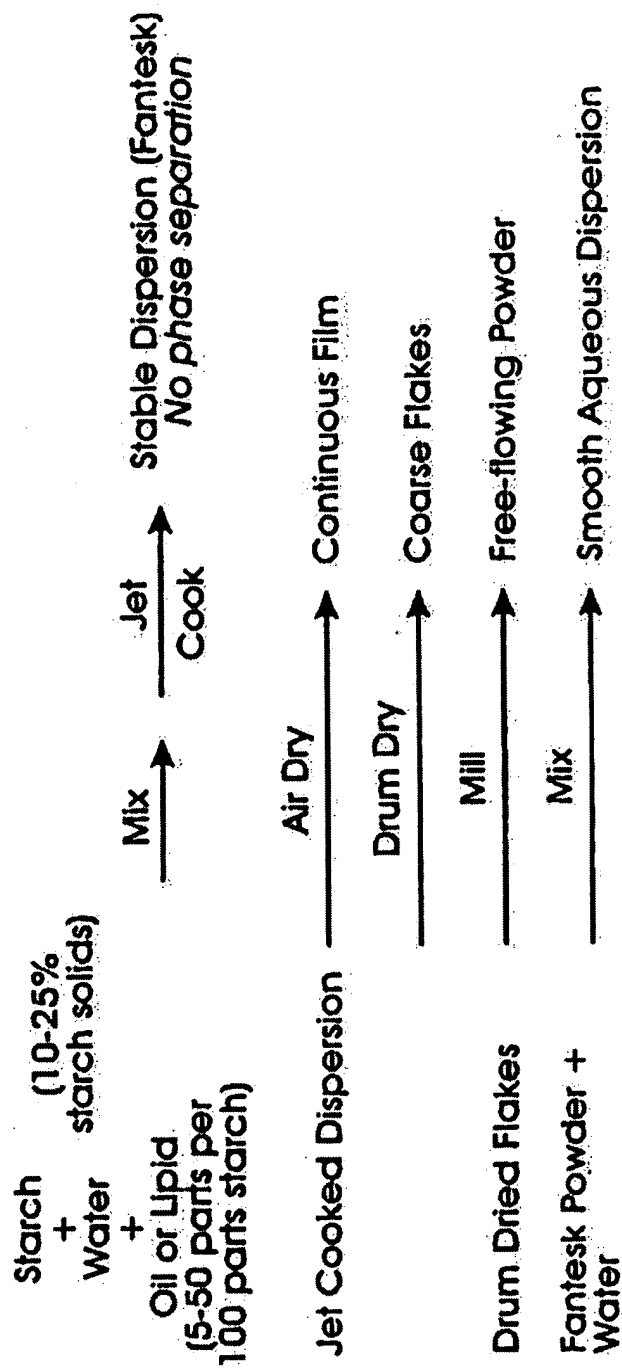


FIG-3

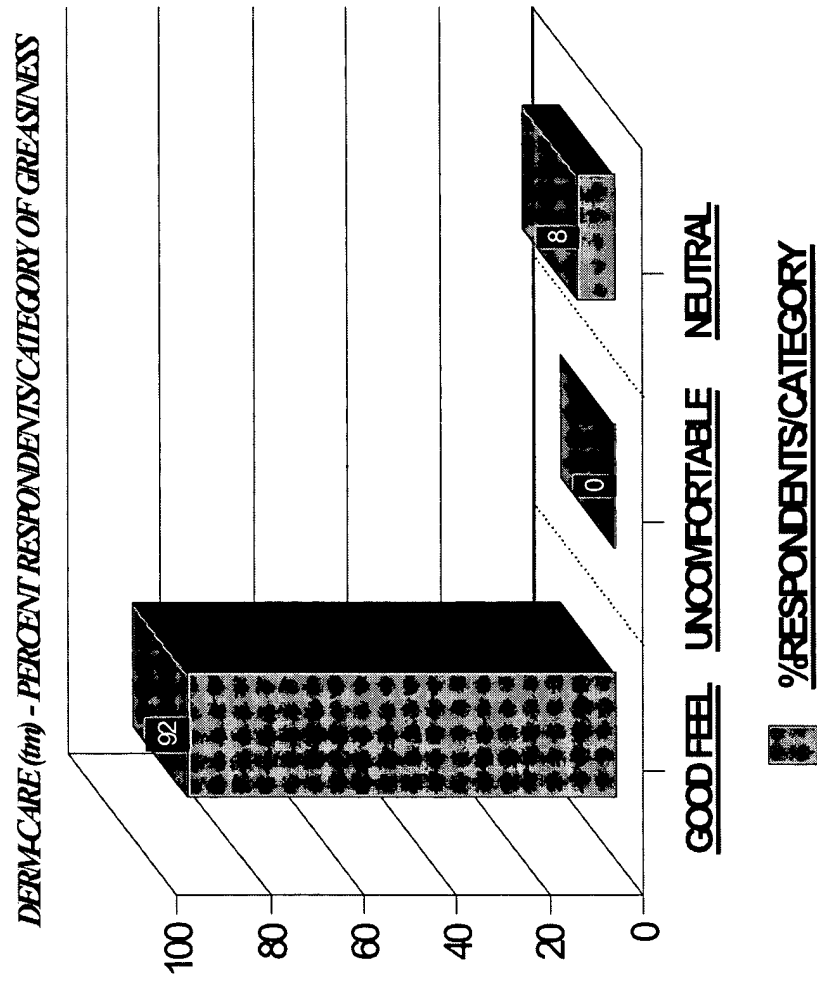


FIG-4

DERM-CARE (tm) - PERCENT RESPONDENTS/CATEGORY OF TEXTURE

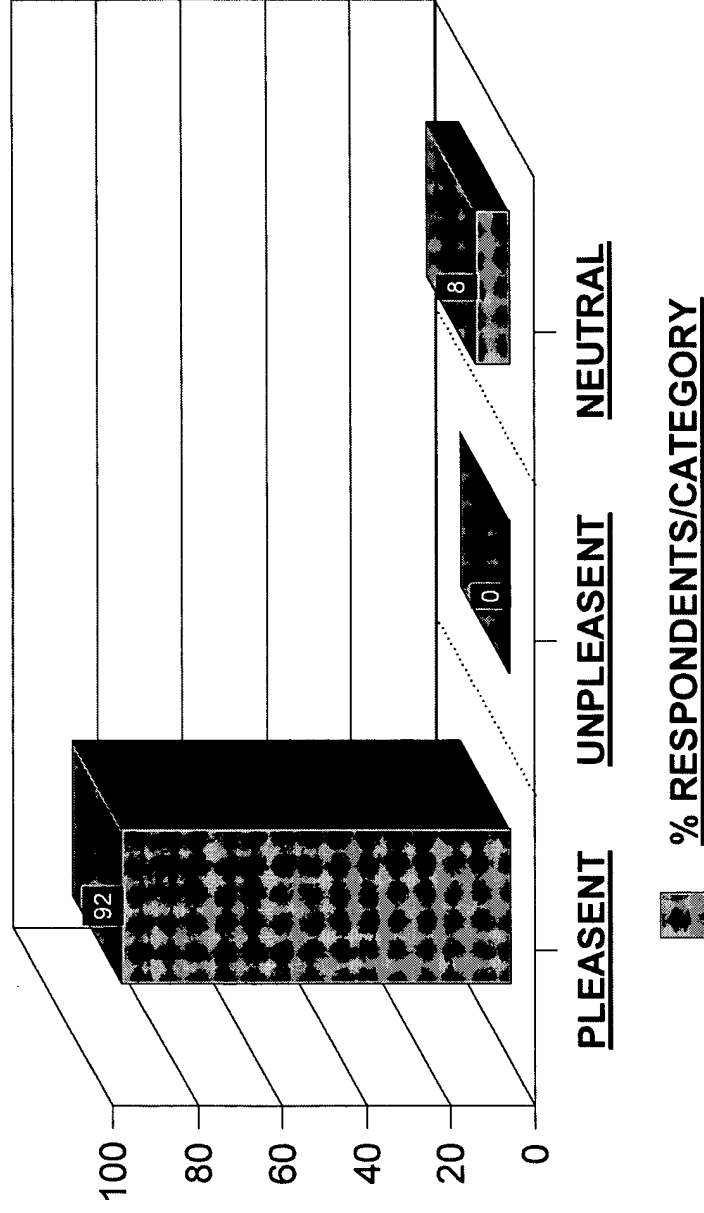


FIG-5

DERM-CARE (tm) - PERCENT RESPONDENTS/CATEGORY OF STICKINESS

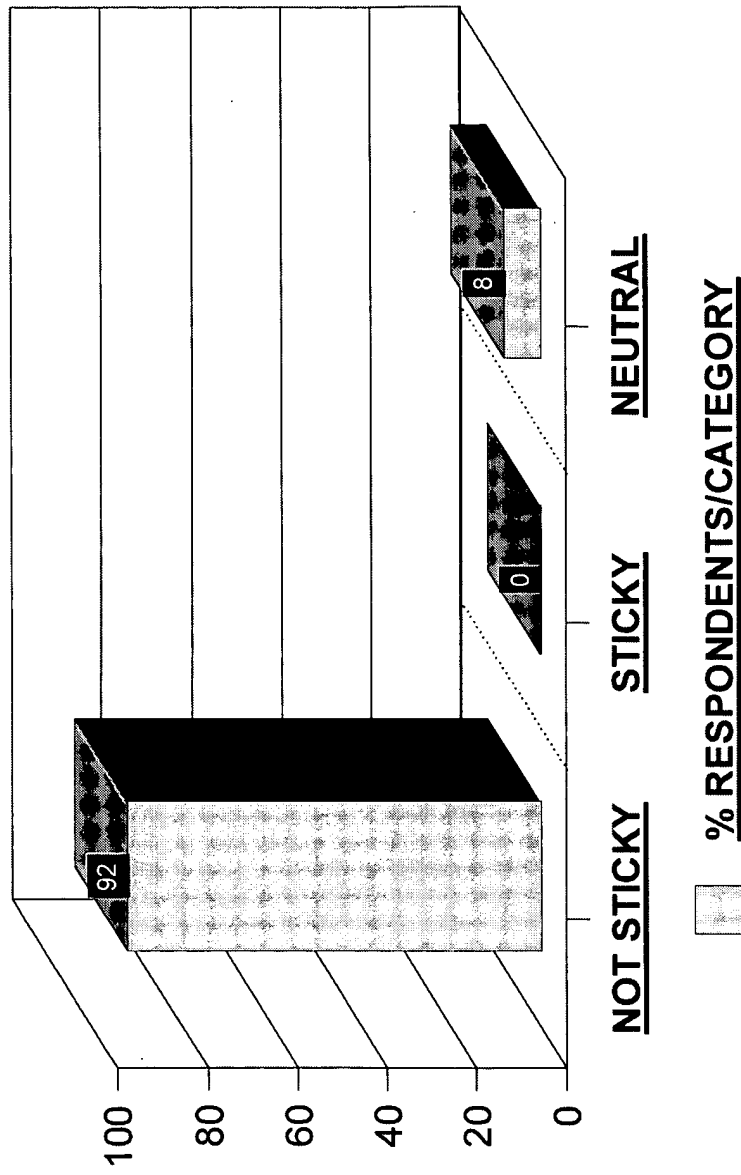


FIG-6

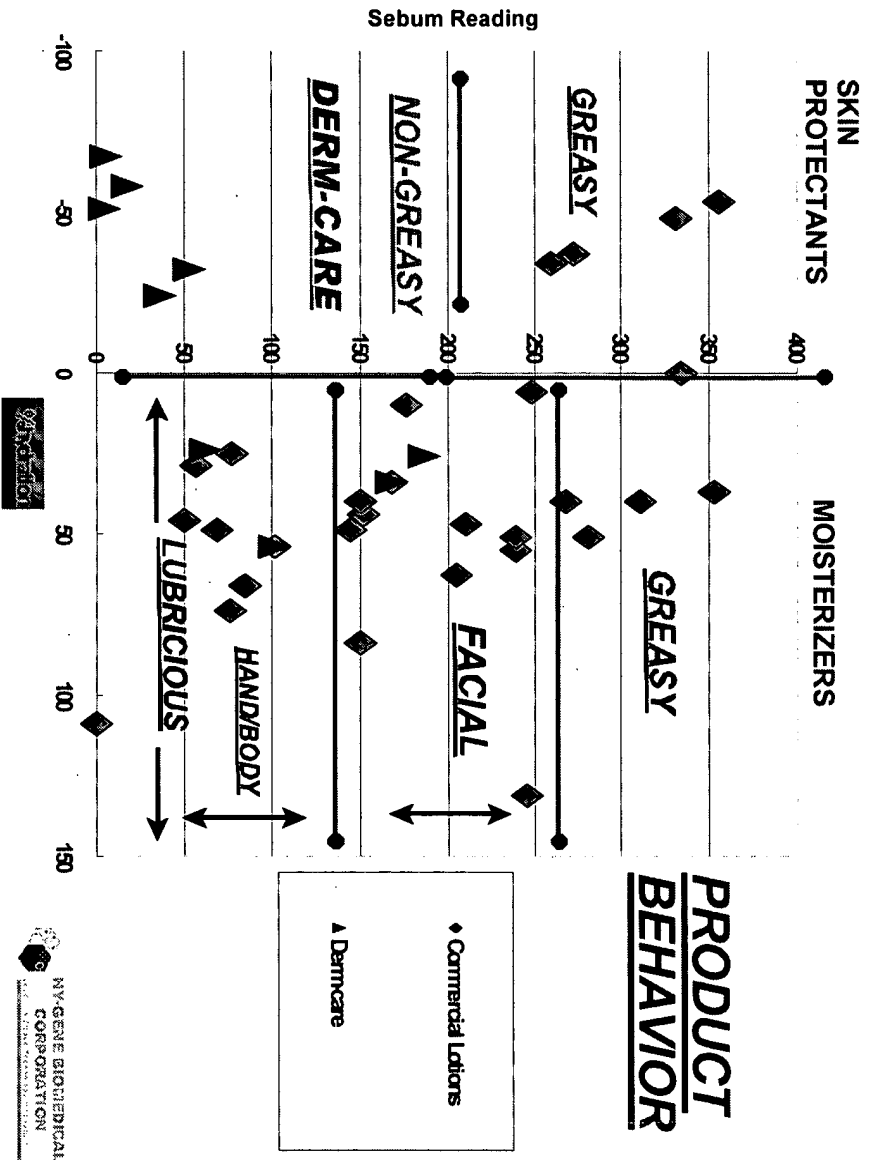


FIG-7



**DERM-CARE SPRAY-ON APPLICATION:  
DURABILITY OF PROTECTION**  
CMC/STARCH:PETROLATUM EMULSION

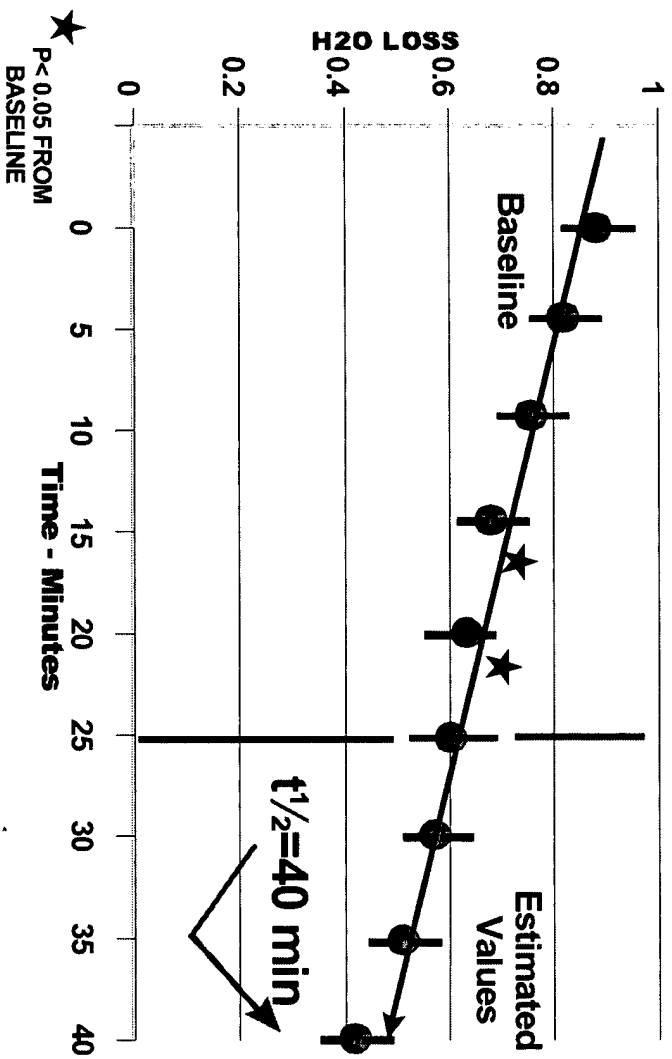


FIG-8

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# CONTROLS- CRYSTAL VIOLET TEST- SKIN PROTECTION

RELATIVE STAINING

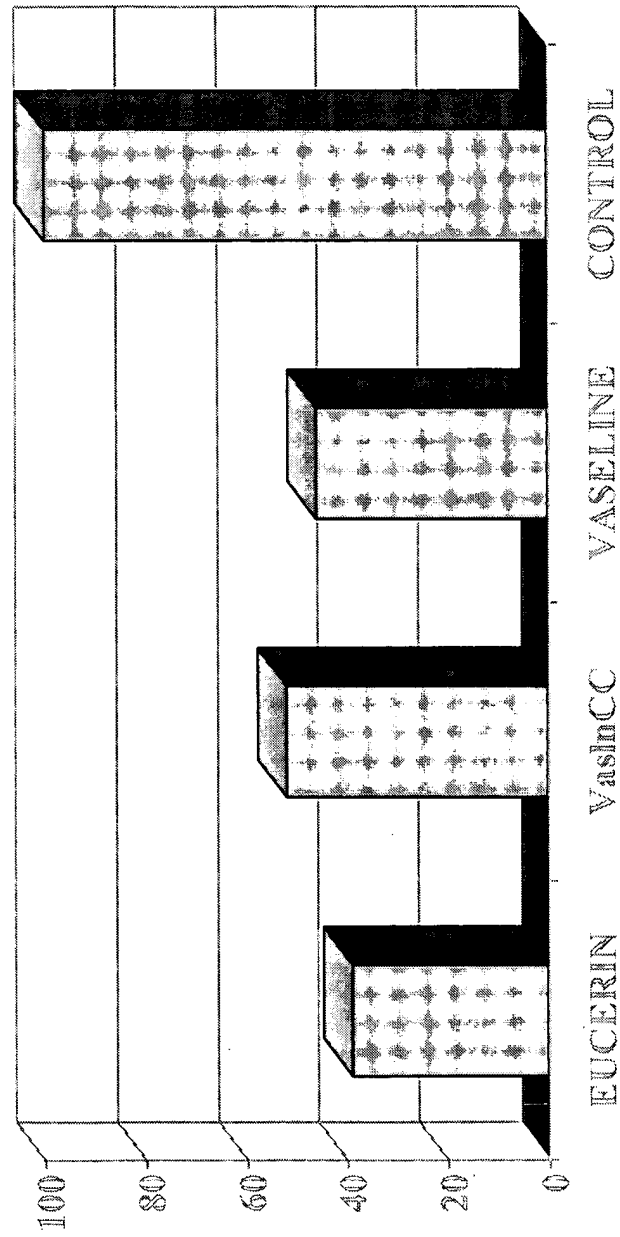


FIG-9

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SPRAY-ON PROTECTION-CRYSTAL VIOLET TEST

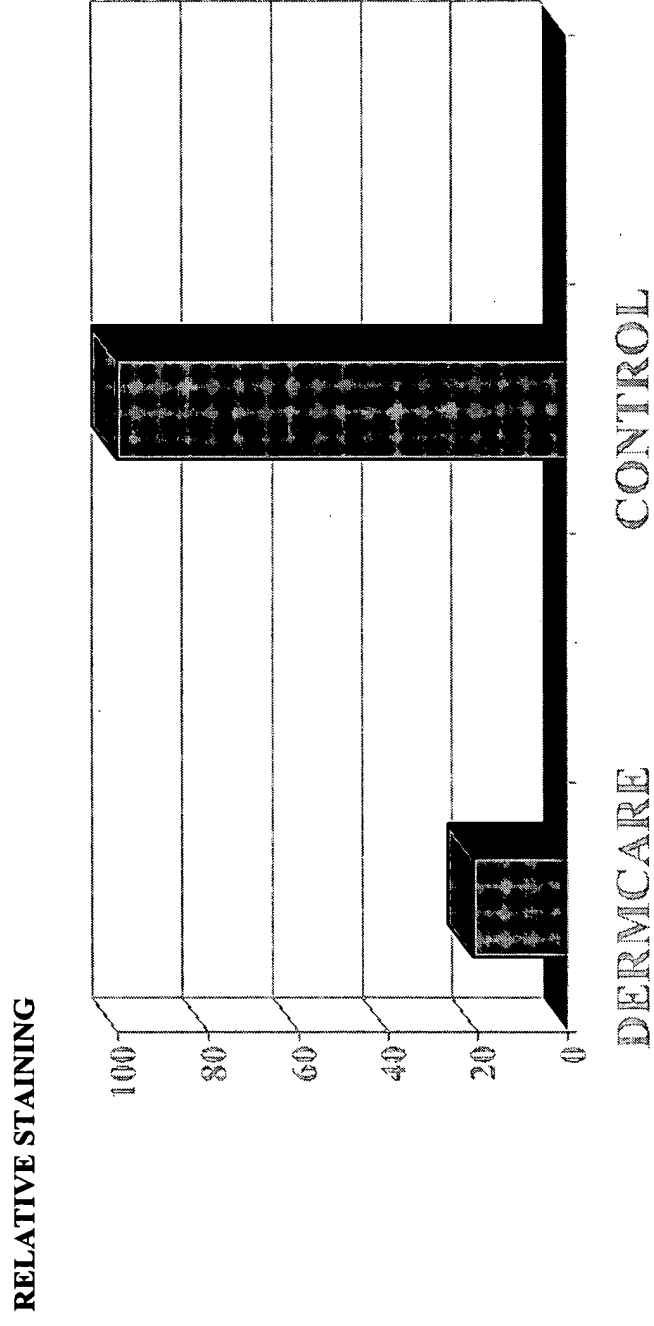
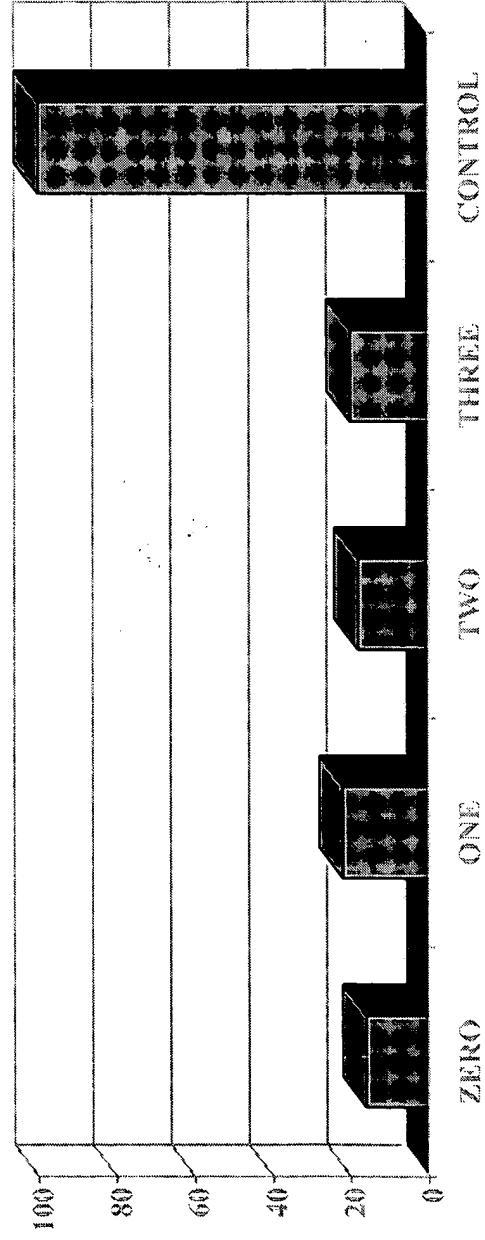


FIG-10

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SPRAY ON-RESISTANCE TO WATER WASHING

RELATIVE STAINING

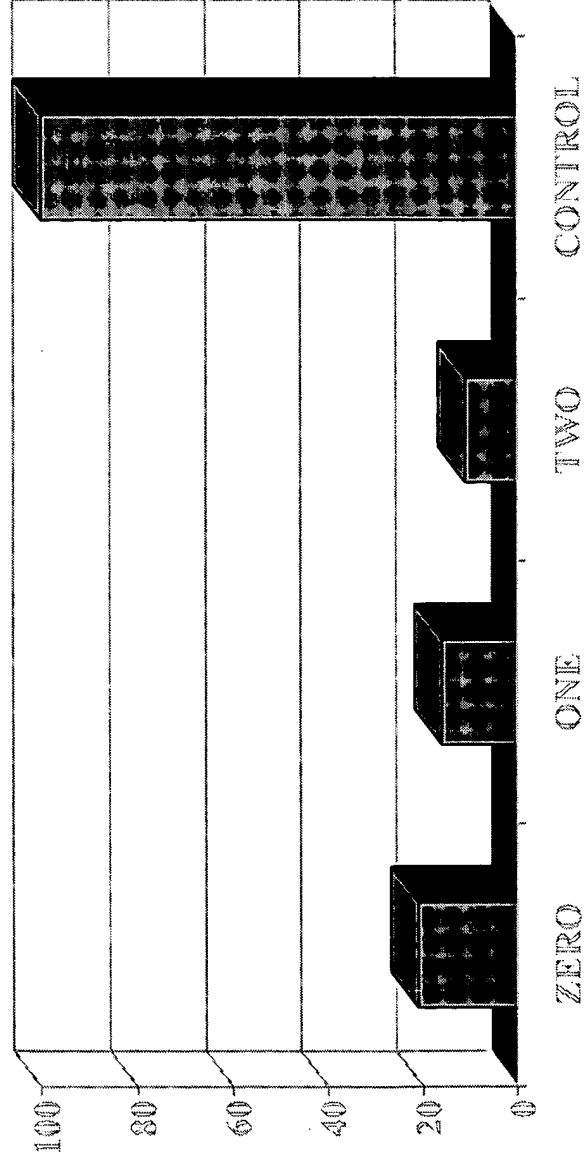


NUMBER OF WASHES

FIG-11

# ALCOHOL WASH TEST

RELATIVE STAINING

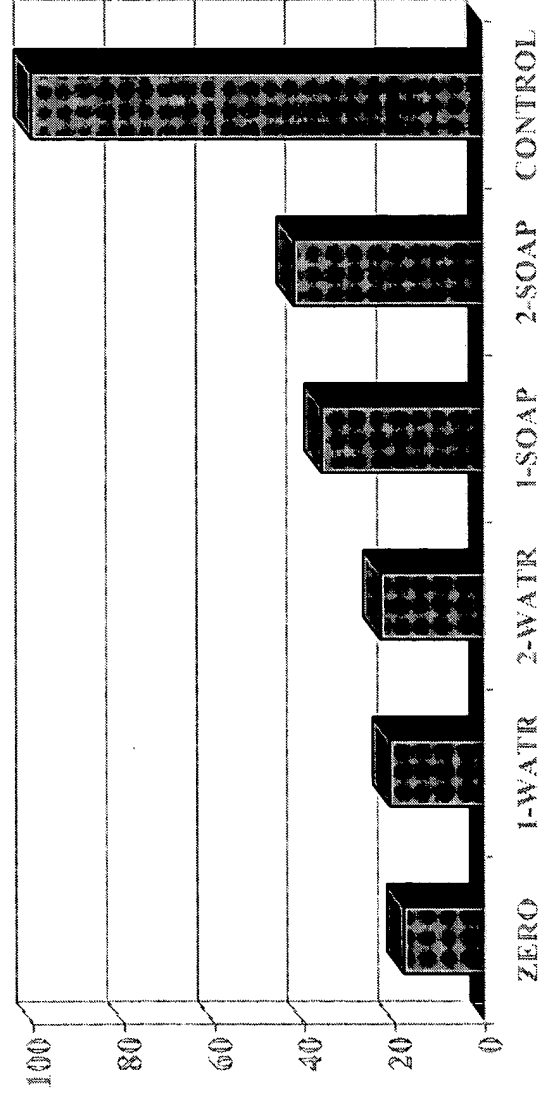


NUMBER OF WASHES

FIG-12

# WATER AND SOAP WASH TEST

RELATIVE STAINING



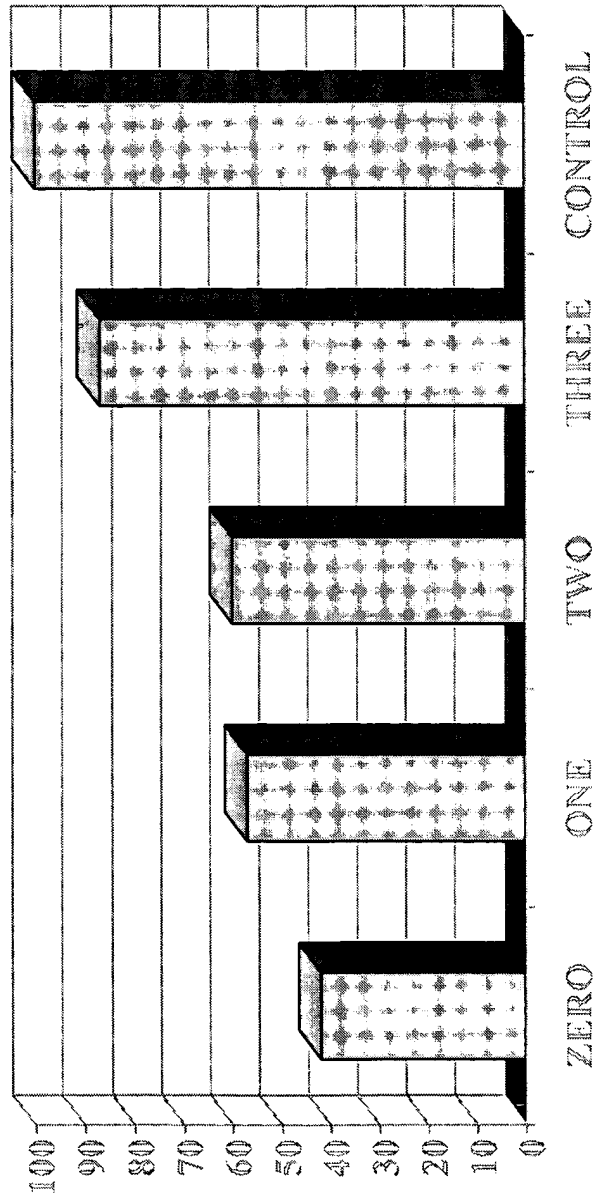
NUMBER OF WASHES

FIG-13

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# VASELINE-SOAP WASHING

RELATIVE STAINING



NUMBER OF WASHES

FIG-14

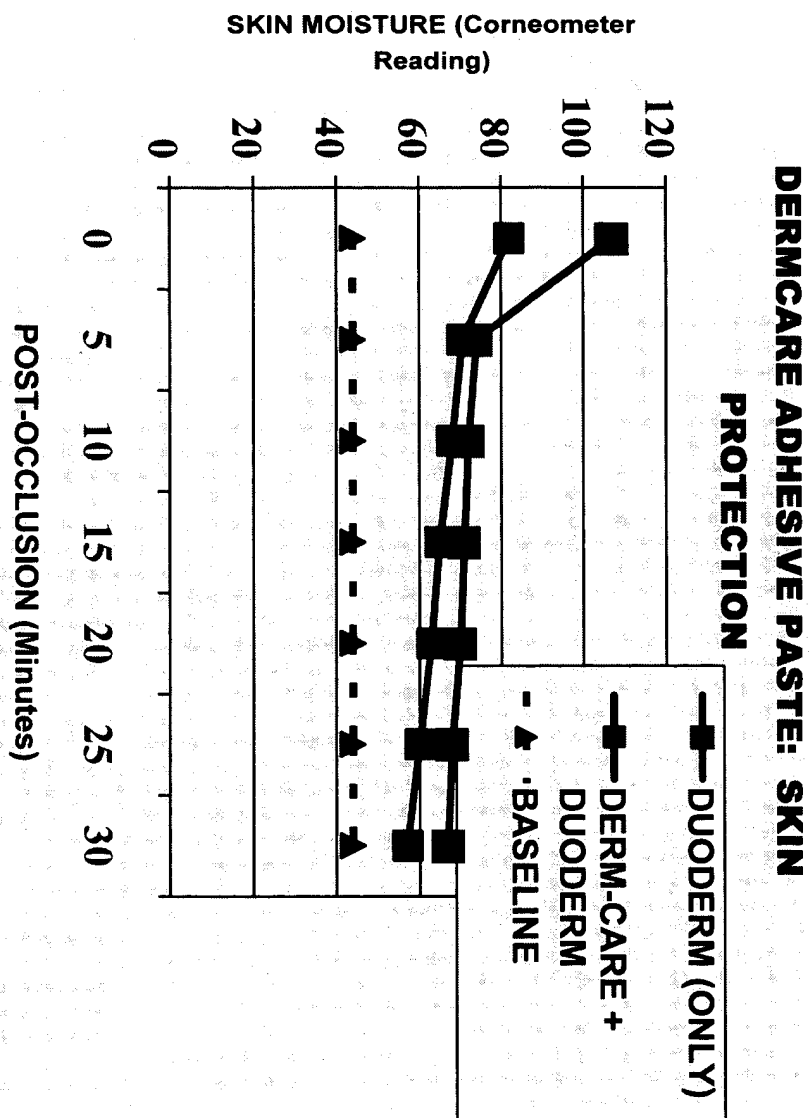
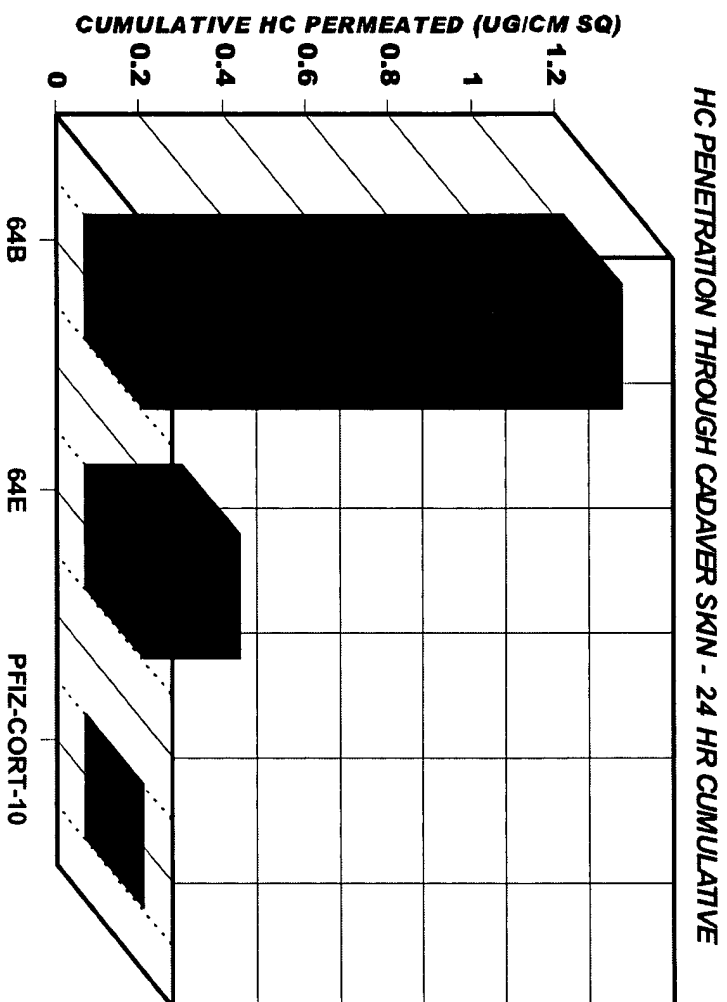


FIG-15



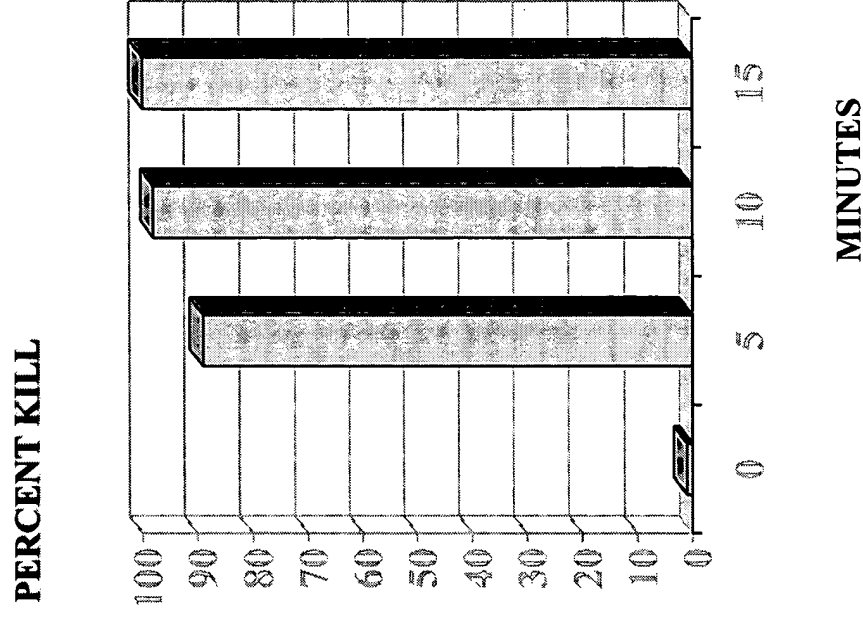
**SUMMARY EVALUATION OF THE PENETRATION OF  
HYDROCORTISONE (HC) IN  
HUMAN SKIN OVER A 24 HR CLINICALLY SIGNIFICANT PERIOD:  
COMPARISON OF DERM-CARE (64E & 64B) AND THE LEADING  
SELLING PRODUCT, PFIZER'S "CORTISONE 10"**



**FIG-16**

**IN VITRO TESTING AGAINST BACTERIA**

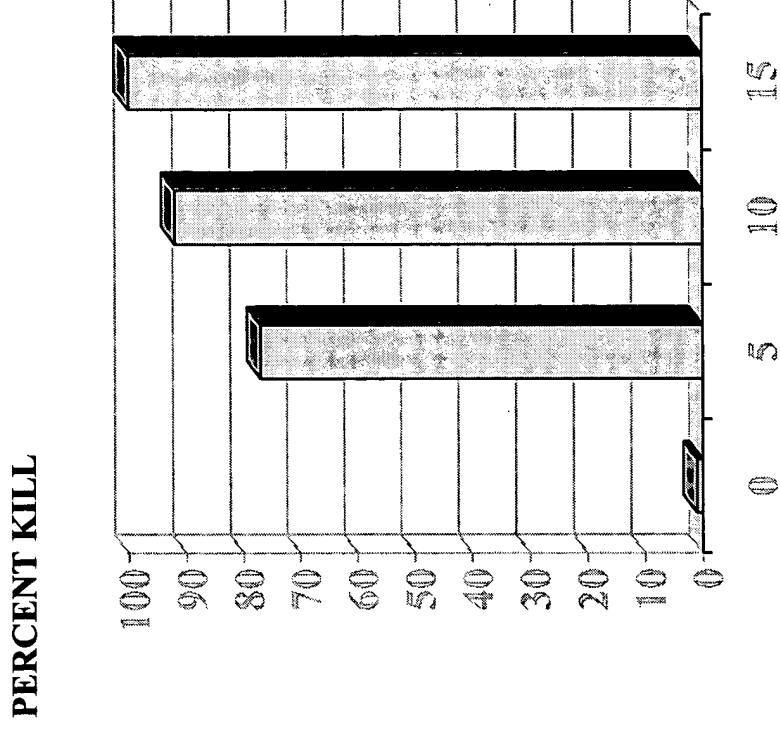
- **ANTI-STAPHYLOCOCCUS  
AUREUS TIME STUDY**
- ✓ **LAB TESTING**
- ✓ **CHALLENGE OF 1 MILLION  
BACTERIA - STAPH.  
AUREUS**
- ✓ **EXPOSED FOR UP TO 15 MIN**
- ✓ **KILL BASED ON REGROWTH  
OF BACTERIA AFTER  
TREATMENT**
- ✓ **100% KILL AFTER 15  
MINUTES**



**FIG-17**

**IN VITRO TESTING AGAINST BACTERIA**

- **ANTI-METHICILLIN-  
RESISTANT  
STAPHYLOCOCCUS  
AUREUS TIME STUDY**
- ✓ **LAB TESTING**
- ✓ **CHALLENGE OF 1 MILLION  
BACTERIA - METHICILLIN  
STAPH. AUREUS**
- ✓ **EXPOSED FOR UP TO 15 MIN**
- ✓ **KILL BASED ON REGROWTH  
OF BACTERIA AFTER  
TREATMENT**
- ✓ **100% KILL AFTER 15 MINUTES**



**FIG-18** **MINUTES**

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**IN VITRO TESTING AGAINST BACTERIA**

- **ANTI- PSEUDOMONAS  
AERUGINOSA TIME STUDY**

- ✓ **LAB TESTING**
- ✓ **CHALLENGE OF 1 MILLION  
BACTERIA - PSEUDO.  
AERUGINOSA**
- ✓ **EXPOSED FOR UP TO 15 MIN**
- ✓ **KILL BASED ON REGROWTH OF  
BACTERIA AFTER TREATMENT**
- ✓ **100% KILL AFTER 15 MINUTES**

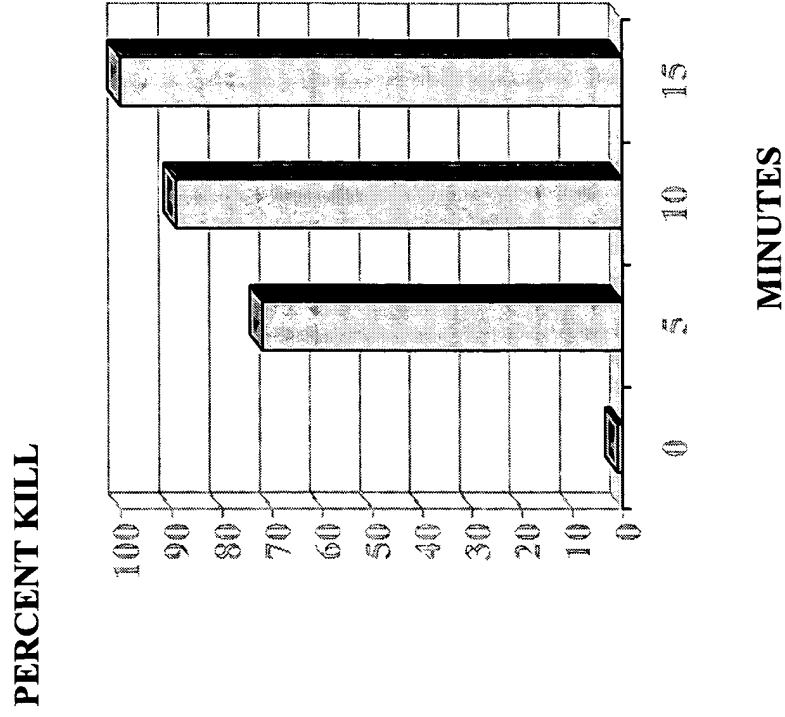


FIG-19

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## IN VITRO TESTING AGAINST BACTERIA

- **ANTI- E. COLI TIME STUDY**

- ✓ LAB TESTING
- ✓ CHALLENGE OF 1 MILLION BACTERIA – E. COLI
- ✓ EXPOSED FOR UP TO 15 MIN
- ✓ KILL BASED ON REGROWTH OF BACTERIA AFTER TREATMENT
- ✓ 100% KILL AFTER 15 MINUTES

PERCENT KILL

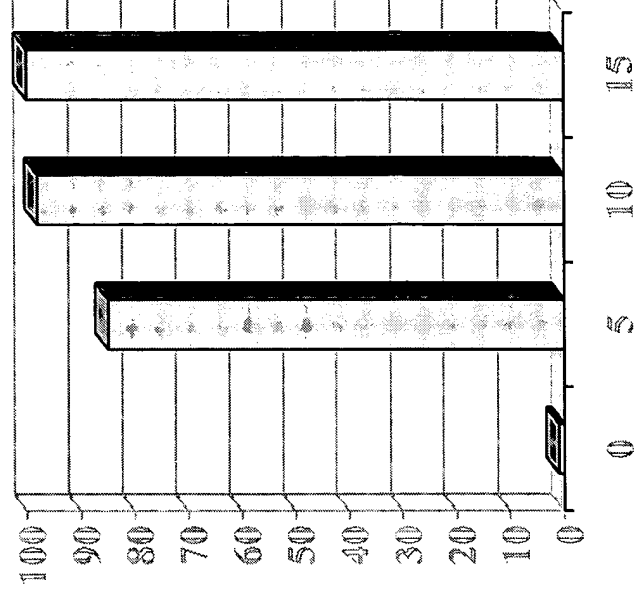


FIG-20

MINUTES

# IN VITRO TESTING AGAINST BACTERIA

- **ANTI-STREPTOCOCCUS  
PYROGENES  
TIME STUDY**

- ✓ LAB TESTING
- ✓ CHALLENGE OF 1 MILLION  
BACTERIA - STREP.  
PYROGENES
- ✓ EXPOSED FOR UP TO 15 MIN
- ✓ KILL BASED ON REGROWTH OF  
BACTERIA AFTER TREATMENT
- ✓ 100% KILL AFTER 15 MINUTES

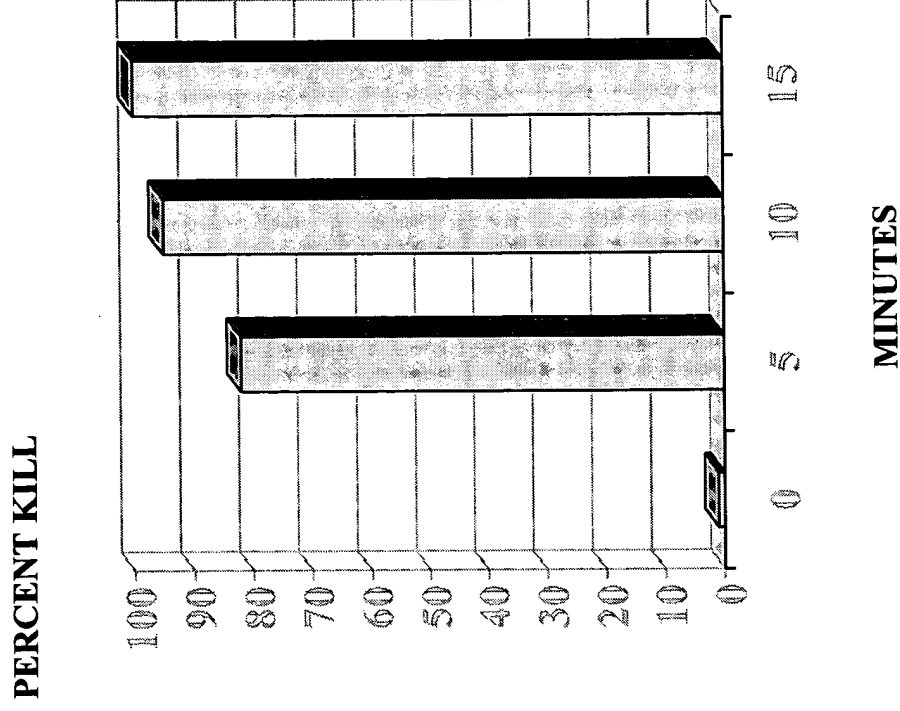
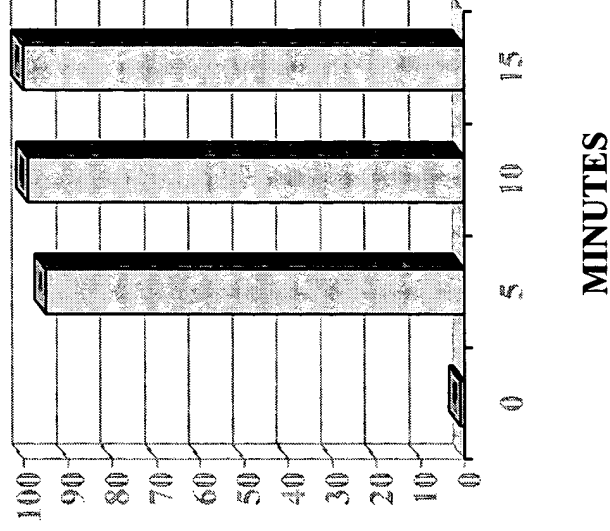


FIG-21

**IN VITRO TESTING AGAINST VIRUS**

**PERCENT KILL**



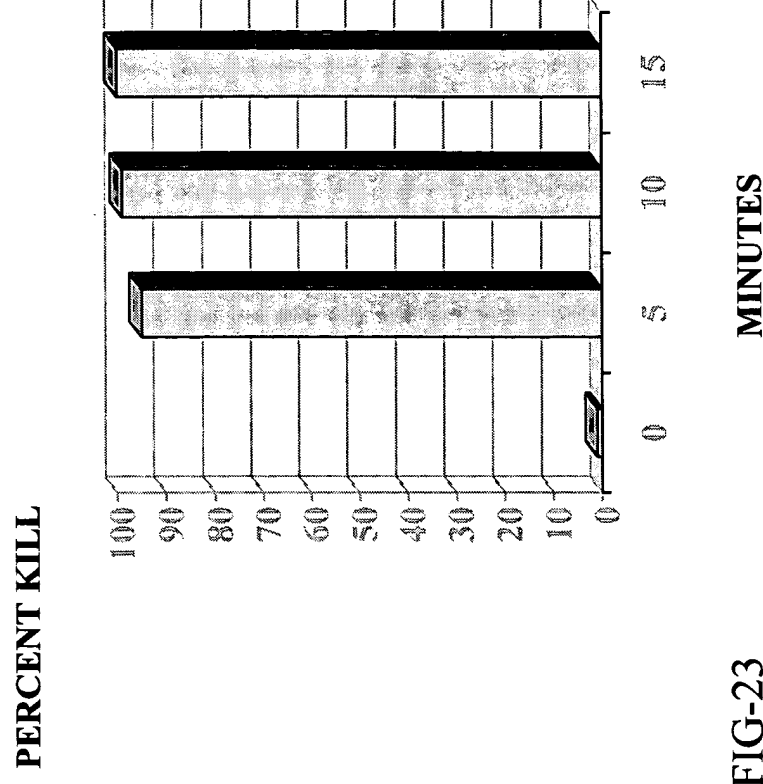
**FIG-22**

**• ANTI- HIV TIME STUDY**

- ✓ LAB TESTING
- ✓ CHALLENGE OF HIV1 IN SITU
- ✓ EXPOSED FOR UP TO 15 MIN
- ✓ KILL BASED ON REGROWTH OF VIRUS AFTER TREATMENT
- ✓ 100% KILL AFTER 15 MINUTES

**IN VITRO TESTING AGAINST VIRUS**

- **ANTI- HEPATITIS B & C  
TIME STUDY**
- ✓ **EXTRAPOLATION TESTING**
- ✓ **EXTRAPOLATION OF  
CHALLENGE OF HIV1 IN SITU**
- ✓ **EXPOSED FOR UP TO 15 MIN**
- ✓ **KILL BASED ON REGROWTH  
OF VIRUS AFTER  
TREATMENT**
- ✓ **100% KILL AFTER 15  
MINUTES**



**FIG-23**

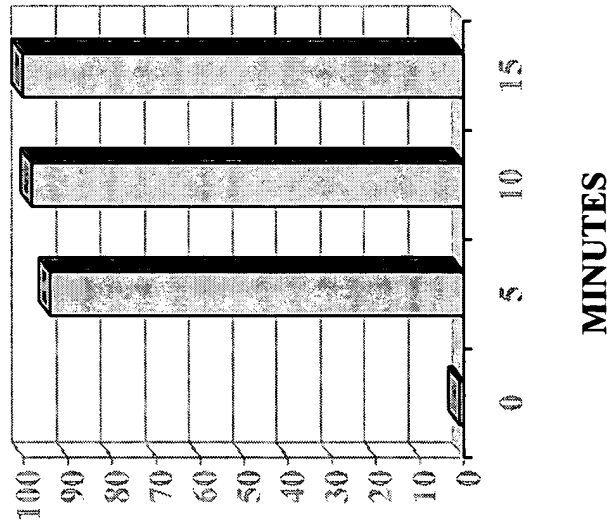


**DOCUMENTED IN VITRO TESTING AGAINST OTHER PATHOGENS**

**• ANTI- PATHOGEN  
STUDIES WITH  
APPROXIMATE TIME  
KILLS AT RIGHT CHART**

- ✓ HERPES SV1/2
- ✓ CHLAMYDIA
- ✓ RSV
- ✓ CYTOMEGALOVIRUS
- ✓ ADENOVIRUS
- ✓ RESP. SYNC. VIRUS
- ✓ ENTEROVIRUS
- ✓ RHINOVIRUS
- ✓ POLIO
- ✓ RUBELLA
- ✓ MEASLES
- ✓ MUMPS
- ✓ ROTAVIRUS

**PERCENT KILL**



**FIG-24**

# PHASE A- IRRITANT DOSE RANGING

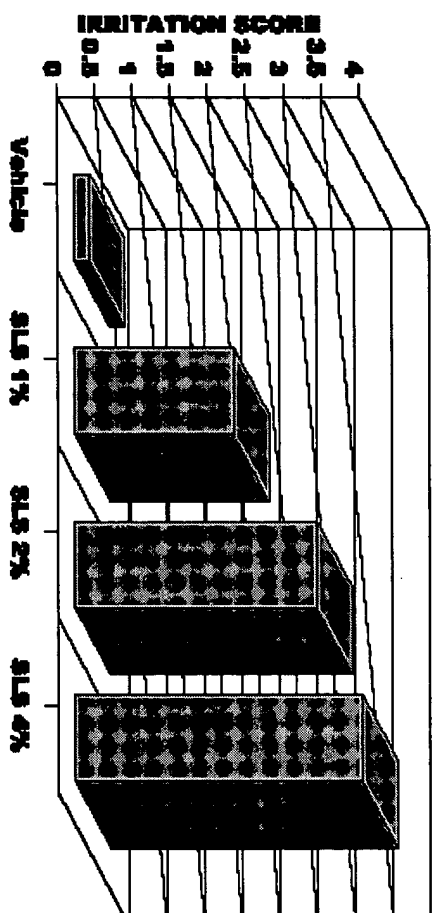


FIG-25

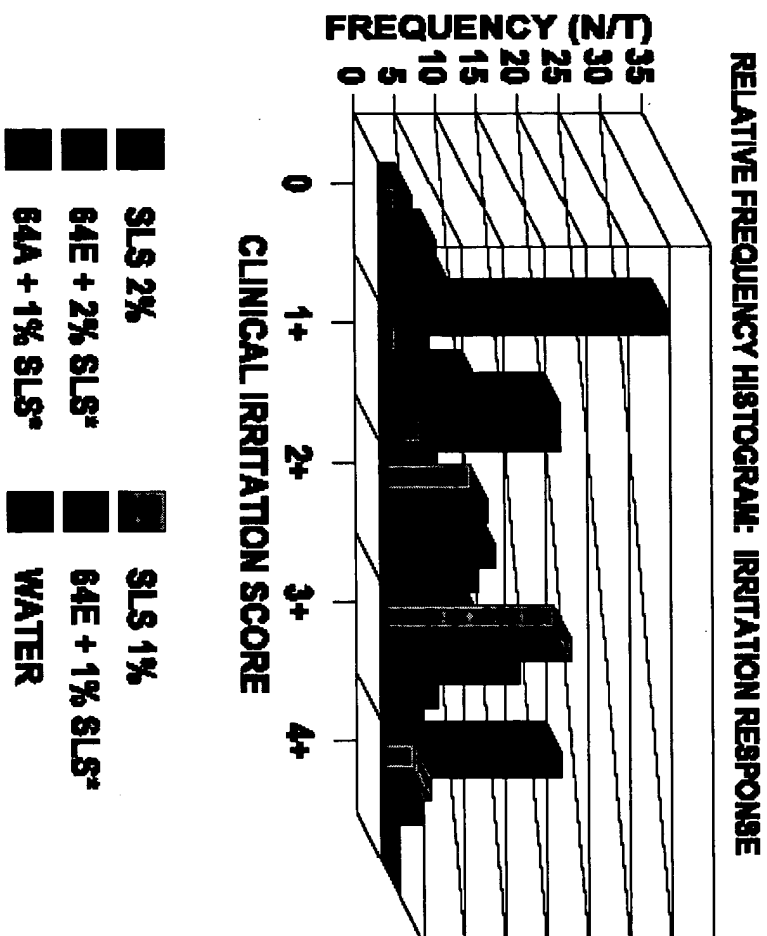


FIG-26

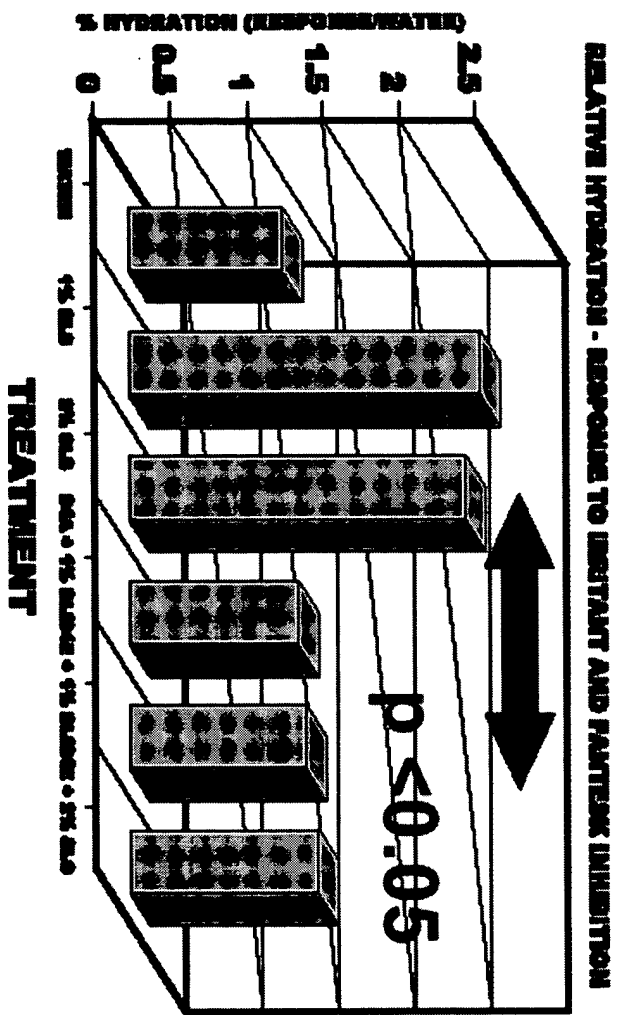


FIG-27

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### HOSPITAL SURFACE TESTING - INSTRUMENT

(ZERO-UU = 0-TIME UNCLEANED AND UNTREATED;

ZERO-ALC = 0-TIME CLEANED WITH ALCOHOL;

DC = TREATED WITH DERM-CARE SC;

COUNTS ARE FOR 36 SQ. IN. - RANDOMLY SELECTED AREA COUNTS ARE TOTAL  
(CORRECTED)

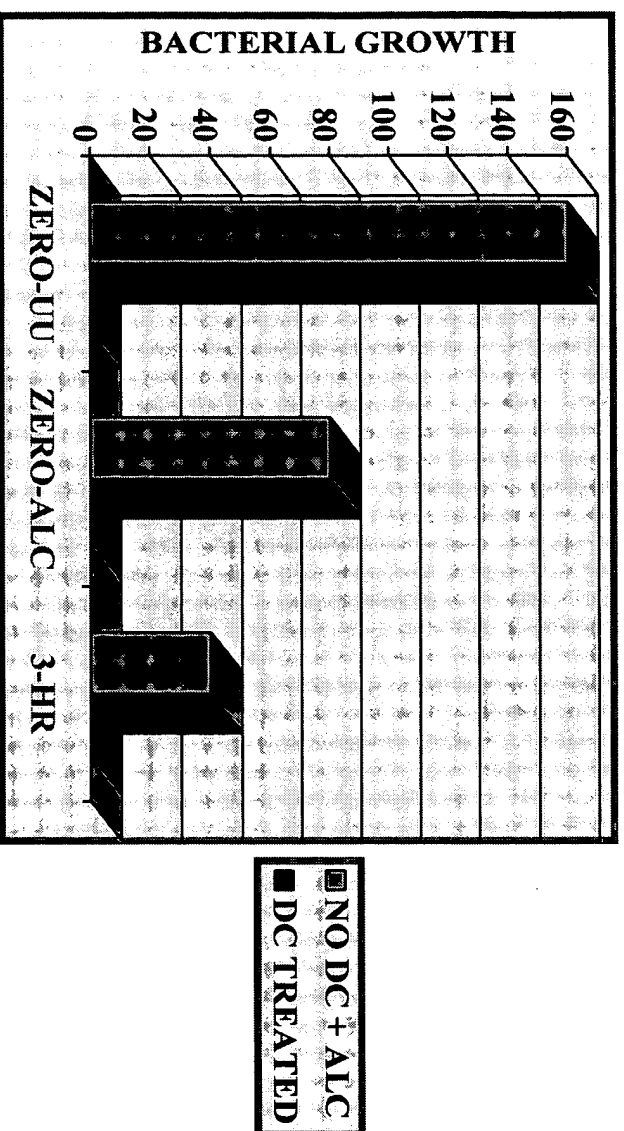


FIG-28

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**PERSONNEL TESTING - SUBJECT A**

(ZERO-UU = 0-TIME UNCLEANNED AND UNTREATED;

ZERO-ALC = 0-TIME CLEANED WITH ALCOHOL;

DC = TREATED WITH DERM-CARE SC;

COUNTS ARE FOR ONE HAND - RANDOMLY SELECTED COUNTS ARE TOTAL  
CORRECTED)

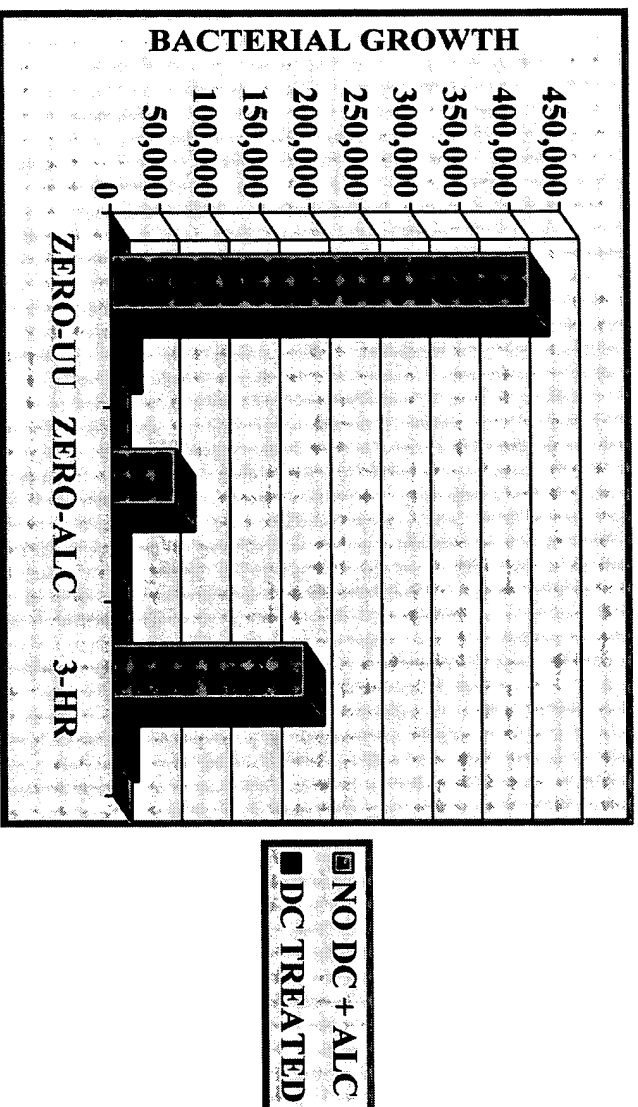


FIG-29

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**PERSONNEL TESTING - SUBJECT A**

(ZERO-UU = 0-TIME UNCLEARED AND UNTREATED;

ZERO-ALC = 0-TIME CLEANED WITH ALCOHOL;

DC = TREATED WITH DERM-CARE SC;

COUNTS ARE FOR ONE HAND - RANDOMLY SELECTED COUNTS ARE OBSERVED STD @ 1:100 UNCORRECTED DIL.)

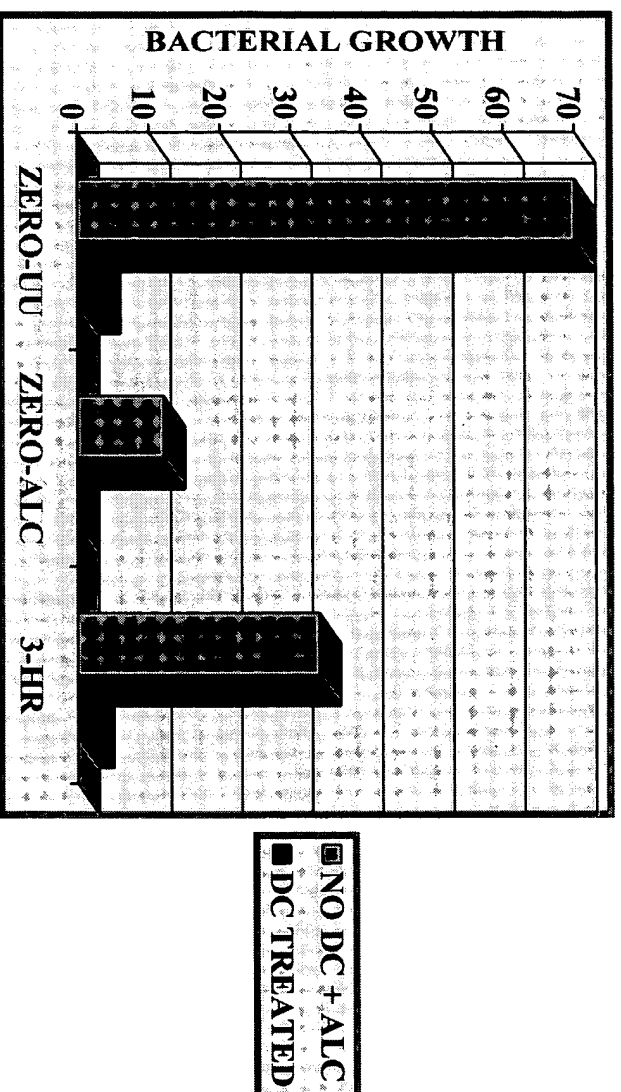


FIG-30

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**SURGERY SURFACE TESTING - INSTRUMENT**

(ZERO-UU = 0-TIME UNCLEARED AND UNTREATED;

ZERO-ALC = 0-TIME CLEANED WITH ALCOHOL;

DC = TREATED WITH DERM-CARE SC;

COUNTS ARE FOR 36 SQ. IN. - RANDOMLY SELECTED AREA COUNTS ARE TOTAL CORRECTED)

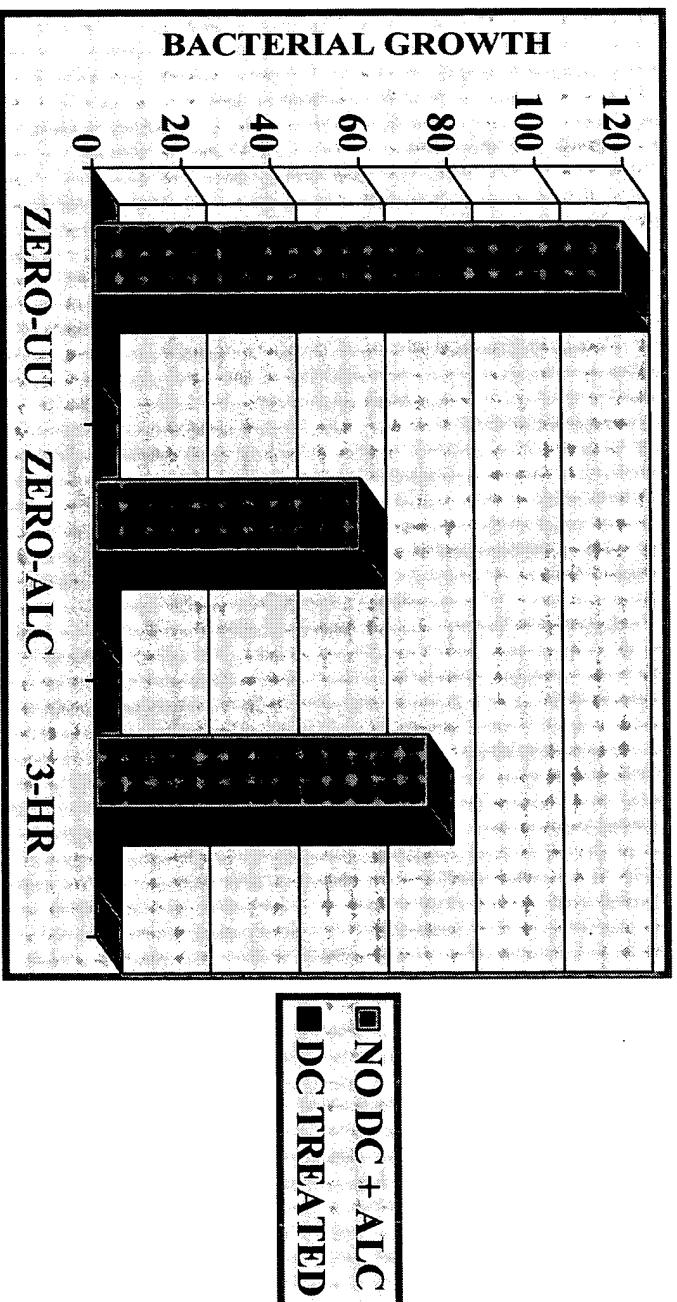


FIG-31



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### HOSPITAL SURFACE TESTING - FLOOR

(ZERO-UU = 0-TIME UNCLEANNED AND UNTREATED;

ZERO-ALC = 0-TIME CLEANED WITH ALCOHOL;

DC = TREATED WITH DERM-CARE SC;

COUNTS ARE FOR 64 SQ. IN. - RANDOMLY SELECTED TILES

COUNTS ARE TOTAL CORRECTED)

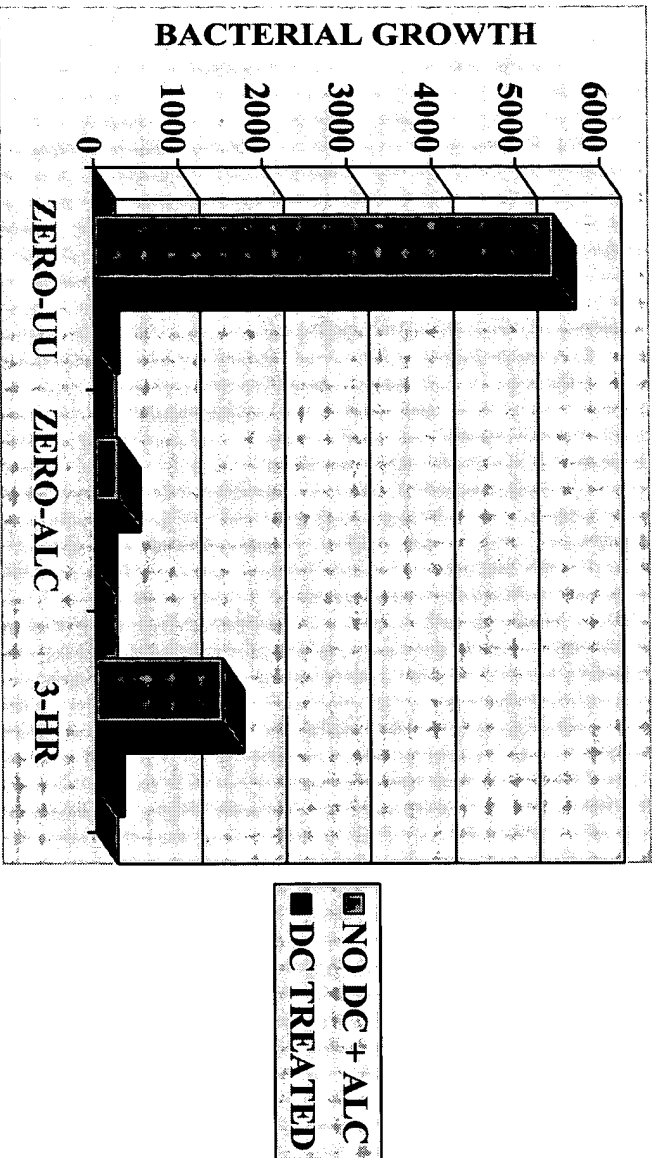


FIG-32

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**SURGERY SURFACE TESTING - FLOOR**

(ZERO-UU = 0-TIME UNCLEANNED AND UNTREATED;

ZERO-AIC = 0-TIME CLEANED WITH ALCOHOL;

DC = TREATED WITH DERM-CARE SC;

COUNTS ARE FOR 64 SQ. IN. - RANDOMLY SELECTED TILES  
COUNTS ARE TOTAL CORRECTED)

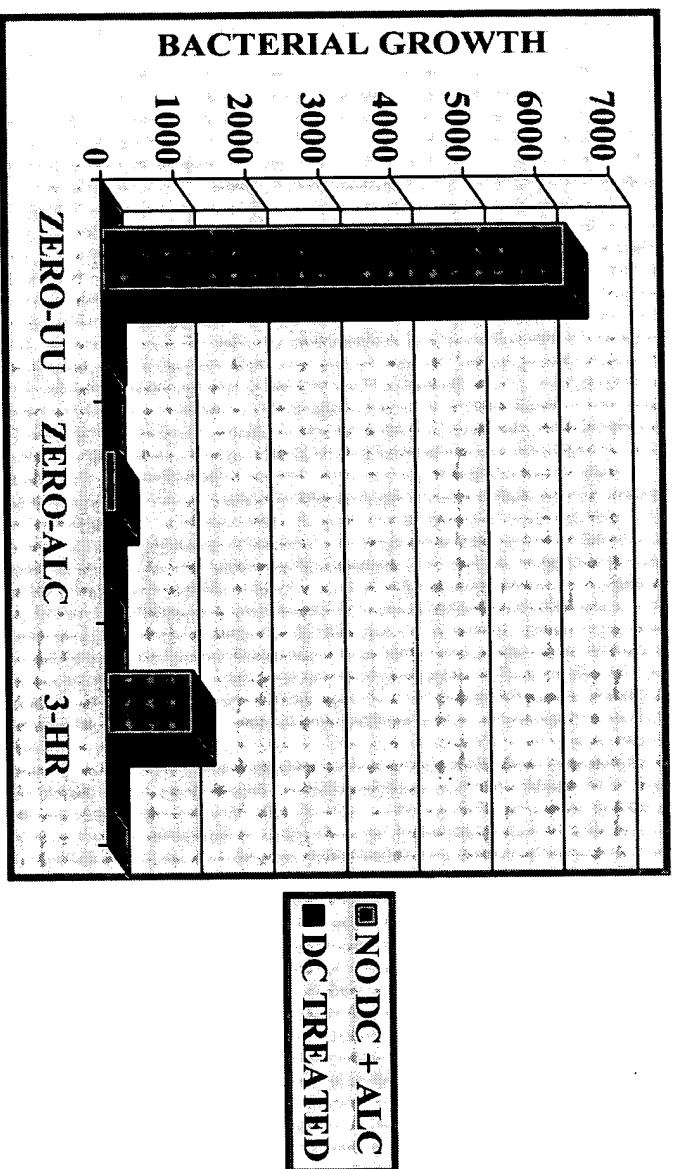


FIG-33

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**HOSPITAL SURFACE TESTING - FLOOR**

(ZERO-UU = 0-TIME UNCLEANED AND UNTREATED;

ZERO-ALC = 0-TIME CLEANED WITH ALCOHOL;

DC = TREATED WITH DERM-CARE SC;

COUNTS ARE FOR 64 SQ. IN. - RANDOMLY SELECTED TILES

COUNTS ARE ACTUAL OBSERVED

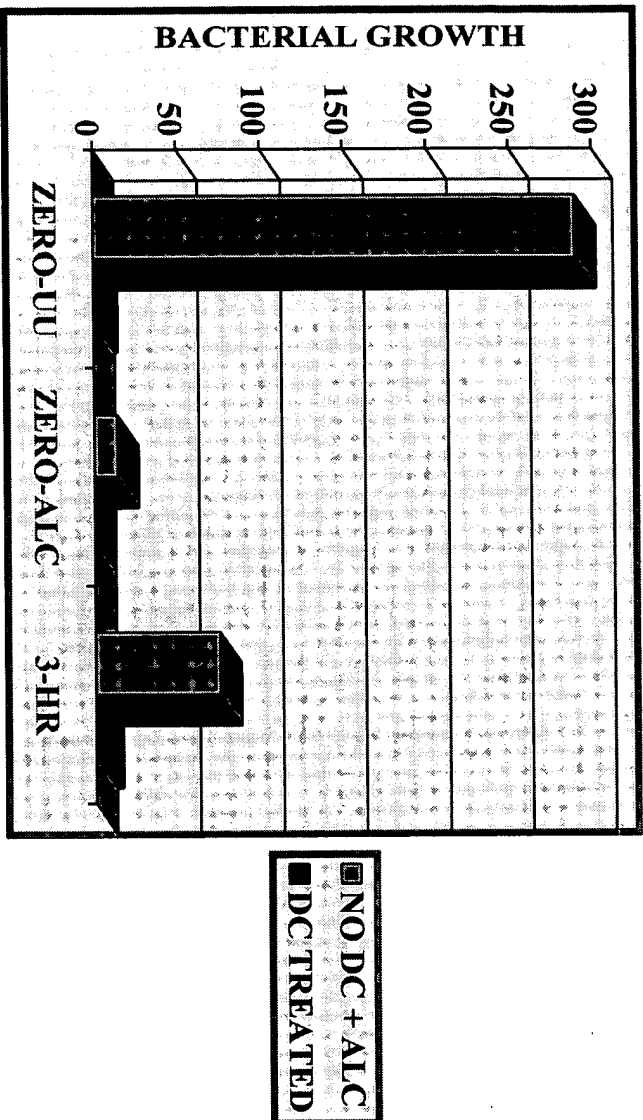


FIG-34

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**SURGERY SURFACE TESTING - FLOOR**

(ZERO-UU = 0-TIME UNCLEANED AND UNTREATED;

ZERO-ALC = 0-TIME CLEANED WITH ALCOHOL;

DC = TREATED WITH DERM-CARE SC;

COUNTS ARE FOR 64 SQ. IN. - RANDOMLY SELECTED TILES

COUNTS ARE ACTUAL OBSERVED)

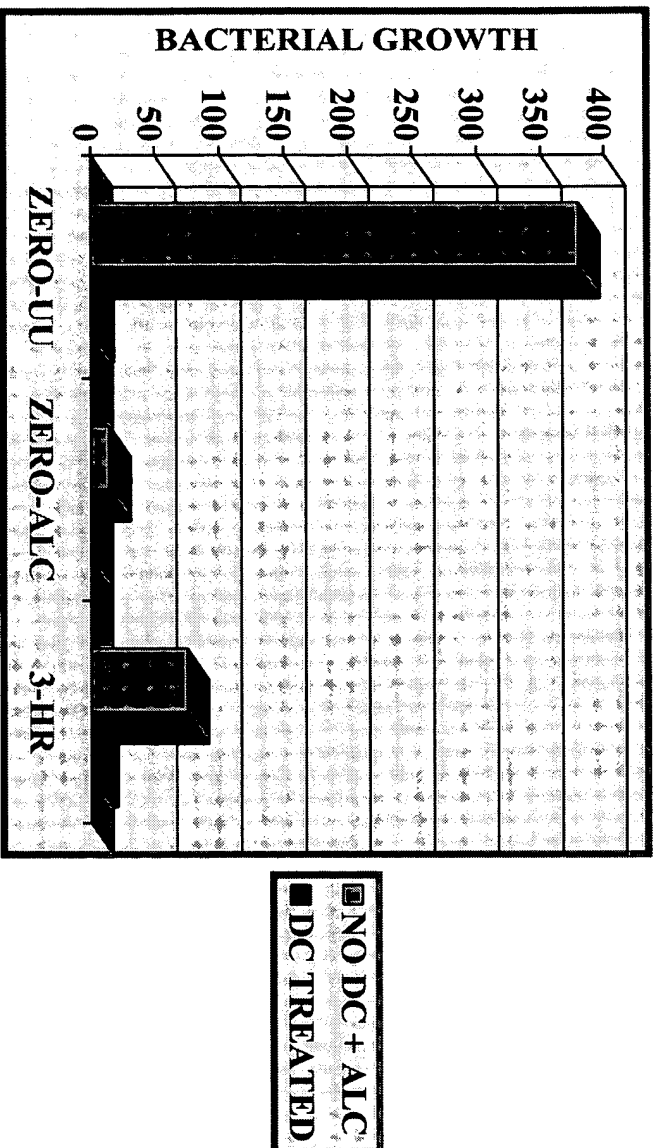


FIG-35